

HDMI Repeaters

ID# 429



Operation Manual

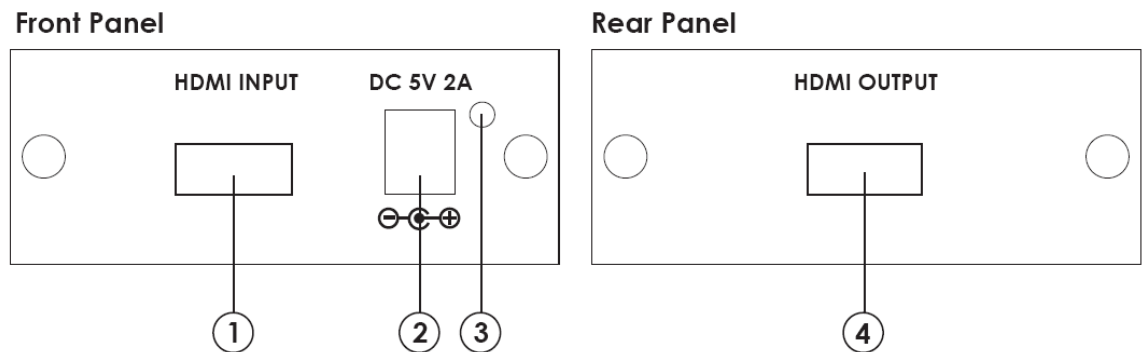
Introduction

The HDMI Repeaters regenerates the HDCP-HDMI source signal and extends the length of HDMI transmission over a copper based HDMI cable by 12 meters at 1080p/UXGA.

Features

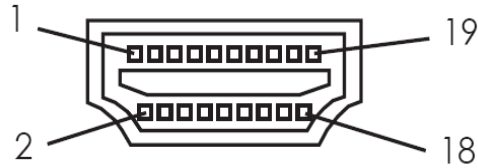
- * It regenerates the incoming HDMI signal by decoding and re-encoding it to a new standard HDMI signal so it can extend the transmission range without degradation.
- Extends 1080p/UXGA up to 12 meter transmission distance(lower resolution signal can be transmitted longer).
- * HDCP 1.1 compliant.
- * Plug and play, easy to install.

Operating Functions and Controls Front Panel



- 1. HDMI input connector:** Connect to the output of your HDMI source equipment.
- 2. Power input:** Connect the supplied DC 5V power supply into this unit.
- 3. Power LED:** The LED will illuminate when the power is connected.
- 4. HDMI output connector:** Connect to the input of your HDMI display.

HDMI Connector Pin Assignment



Pin#	Function Assignment	Pin#	Function Assignment
1	TMDS Data2+	2	TMDS Data2 Shield
3	TMDS Data2-	4	TMDS Data1+
5	TMDS Data1 Shield	6	TMDS Data1-
7	TMDS Data0+	8	TMDS Data0 Shield
9	TMDS Data0-	10	TMDS Clock+
11	TMDS Clock Shield	12	TMDS Clock-
13	CEC	14	Reserved (N.C. on device)
15	SCL	16	SDA
17	DDC/CEC Ground	18	+5V Power
19	Hot Plug Detect		

Specifications

- * **HDMI is compliant with HDMI 1.2**
 - * **HDMI HDCP is compliant with HDCP 1.1**
 - * **Downward compatible with DVI 1.0 and HDCP 1.0**
 - * **Operation frequency** : up to 165MHz
 - * **HDMI data rate**: 1.6G bps(Single link)
 - * **Input/Output resolution** :
 - PC** : VGA@60Hz, VGA@72Hz, VGA@75Hz, VGA@85Hz
 - SVGA@60Hz, SVGA@72Hz, SVGA@75Hz, SVGA@85Hz
 - XGA@60Hz, XGA@70Hz, XGA@75Hz, XGA@85Hz,
 - XGAi@87Hz, SXGA@60Hz, SXGA@75Hz, SXGA@85Hz,
 - UXGA@60Hz, 1152@70Hz, 1152@75Hz, 1152@85Hz
 - HD** : 480i@60Hz, 576i@50Hz, 480p@60Hz, 576p@50Hz,
 - 720p@60Hz, 720p@50Hz, 1080i@60Hz, 1080i@50Hz,
 - 1080p@60Hz, 1080p@50Hz, 1080p@30Hz, 1080p@25Hz,
 - 1080p@24 Hz
 - * **Cable Distance Support** : Over 12m with twisted-pair
 - * **Dimensions (WxHxD)** : 76 x 30 x 105mm
 - * **Power** : 5V 2A Center- positive
- Note: Different cable quality may affect- the maximum resolution and transmission distance.**

Connection and Installation

